

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: METALUX

Report Number: P1175823

Luminaire Tested: UHBS2-2436-M-L83065-MID-4000K-CLR6

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175823
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2505-439-5)
Test Lab: INNOVATION CENTER
Issue Date: 8/26/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-2436-M-L83065-MID-4000K-CLR6
Description: UHBS2 LED High Bay at 4000K and MID lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

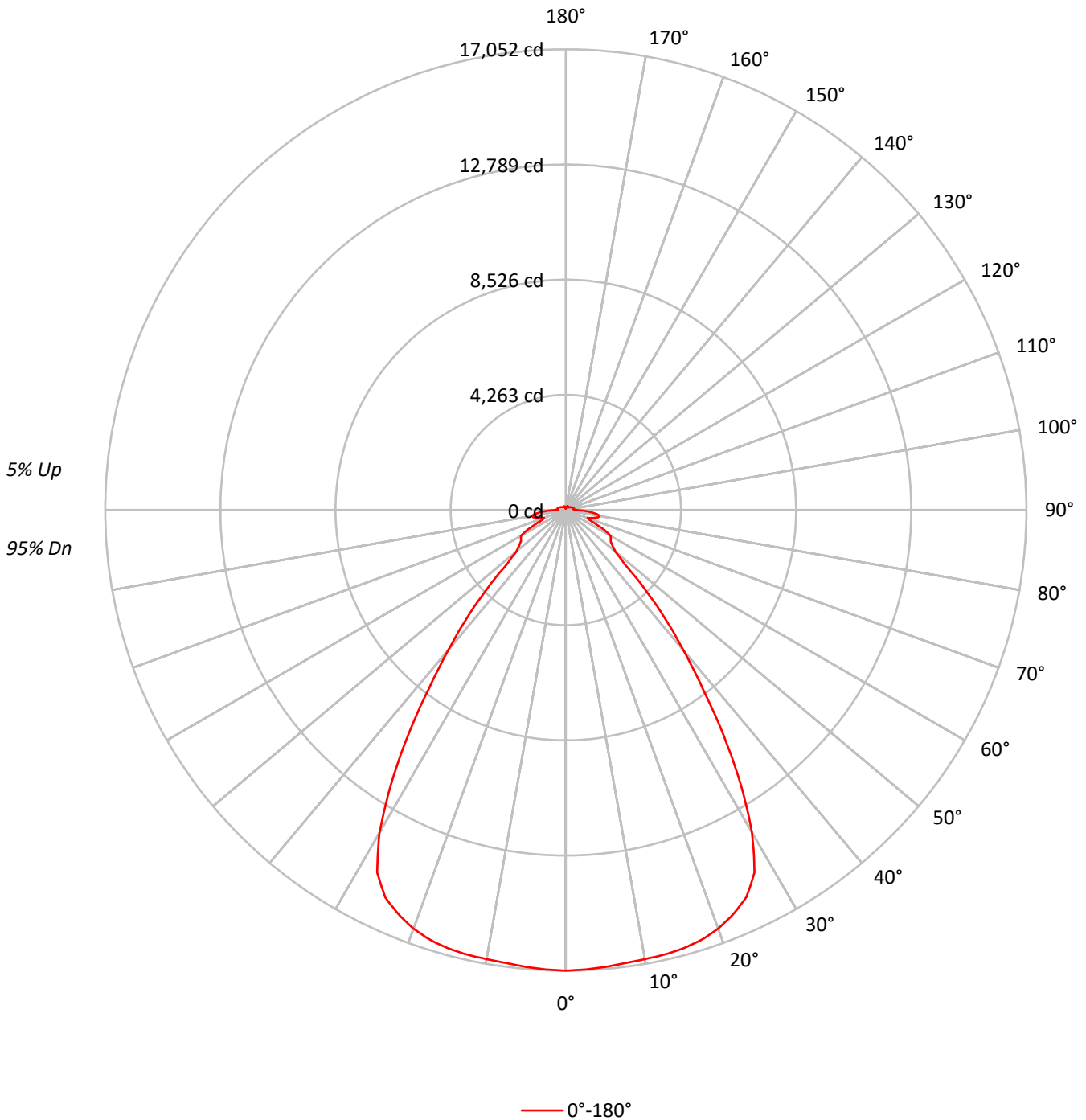
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29762.1 lumens
Efficiency: N/A
Efficacy: 156.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.08
Luminous Opening: Vertical Cylinder (Dia: 1.47' x H: 0.5')
CIE Type: Direct

Input Watts (W): 190
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.998
Total Harmonic Distortion (THDi): 5.15
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	98	98	98	95
1	109	105	101	98	106	102	99	96	97	95	92	93	90	88	88	87	85	85	85	85	83
2	101	94	89	84	99	92	87	83	88	84	80	84	81	78	81	78	75	75	75	75	73
3	94	86	79	73	92	84	78	73	80	75	71	77	73	69	74	70	67	67	67	67	65
4	88	78	71	65	86	77	70	64	74	68	63	71	66	62	68	64	61	61	61	61	59
5	82	72	64	58	80	70	63	58	68	62	57	65	60	56	63	59	55	55	55	55	53
6	77	66	58	53	75	65	58	52	63	56	52	61	55	51	59	54	50	50	50	50	48
7	72	61	53	48	71	60	53	48	58	52	47	56	51	47	55	50	46	46	46	46	44
8	68	56	49	44	66	56	49	44	54	48	43	52	47	43	51	46	42	42	42	42	41
9	64	52	45	40	63	52	45	40	50	44	40	49	43	39	48	43	39	39	39	39	37
10	61	49	42	37	59	48	42	37	47	41	37	46	40	37	45	40	36	36	36	36	35

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	107854
5°	103842
10°	100726
15°	98591
20°	95908
25°	91861
30°	80598
35°	60360
40°	40956
45°	25761
50°	15544
55°	13829
60°	13862
65°	9417
70°	7265
75°	10382
80°	13385
85°	11627

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 25761 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1616.9	5.4
10°-20°	4744.9	15.9
20°-30°	7173.5	24.1
30°-40°	6325.7	21.3
40°-50°	3253.4	10.9
50°-60°	1866.3	6.3
60°-70°	1271.7	4.3
70°-80°	1158.6	3.9
80°-90°	989.2	3.3
90°-100°	339.2	1.1
100°-110°	314.4	1.1
110°-120°	234.9	0.8
120°-130°	163.4	0.5
130°-140°	111.7	0.4
140°-150°	87.9	0.3
150°-160°	68.0	0.2
160°-170°	34.4	0.1
170°-180°	7.8	0.0
0°-30°	13535.2	45.5
0°-40°	19860.9	66.7
0°-60°	24980.7	83.9
0°-90°	28400.2	95.4
90°-120°	888.6	3.0
90°-150°	1251.6	4.2
90°-180°	1362.0	4.6
0°-180°	29762.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17052	
5°	16974	###
15°	16801	4745
25°	15817	7174
35°	10184	6326
45°	4125	3253
55°	2029	1866
65°	1213	1272
75°	1110	1159
85°	952	840
90°	421	250
95°	282	238
105°	304	314
115°	234	235
125°	183	163
135°	141	112
145°	139	88
155°	149	68
165°	119	34
175°	76	8
180°	63	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	17051.8
2.5°	17025.1
5°	16973.9
7.5°	16910.6
10°	16878.9
12.5°	16857.0
15°	16801.0
17.5°	16686.6
20°	16491.7
22.5°	16194.6
25°	15817.2
27.5°	15128.0
30°	13791.0
32.5°	12066.8
35°	10184.4
37.5°	8314.1
40°	6760.3
42.5°	5416.1
45°	4125.4
47.5°	2937.0
50°	2393.9
52.5°	2182.0
55°	2028.6
57.5°	1972.6
60°	1916.6
62.5°	1636.5
65°	1212.8
67.5°	918.1
70°	859.7
72.5°	959.5
75°	1110.5
77.5°	1239.6
80°	1268.8
82.5°	1168.9
85°	952.2
87.5°	664.8
90°	421.3
92.5°	314.2
95°	282.5
97.5°	287.4
100°	297.1
102.5°	306.8
105°	304.4
107.5°	292.2
110°	272.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	253.3
115°	233.8
117.5°	219.2
120°	204.6
122.5°	194.8
125°	182.6
127.5°	168.0
130°	158.3
132.5°	148.6
135°	141.2
137.5°	138.8
140°	136.4
142.5°	138.8
145°	138.8
147.5°	141.2
150°	146.1
152.5°	148.6
155°	148.6
157.5°	146.1
160°	141.2
162.5°	131.5
165°	119.3
167.5°	107.2
170°	95.0
172.5°	85.2
175°	75.5
177.5°	68.2
180°	63.3

(END OF REPORT)